

# FlyCAM UART SYNTAX 1.3

## FIGs

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Reviewed by:

| Command | Byte |      |
|---------|------|------|
| TX      | P0CC | CCCC |
| RX      | P1CC | CCCC |
| DATA    | DDDD | DDDD |

| TX Types | Byte |      |
|----------|------|------|
| GET      | 00CC | CCCC |
| SET      | 01CC | CCCC |

| RX Types | Byte |      |
|----------|------|------|
| Error    | 10CC | CCCC |
| Data     | 11CC | CCCC |

| GET Commands              | Byte |      |
|---------------------------|------|------|
| Velocity                  | 0000 | 0000 |
| Acceleration              | 0000 | 0001 |
| Jerk                      | 0000 | 0010 |
| Lower Displacement (X,Y)  | 0000 | 0011 |
| Upper Displacement (X,Y)  | 0000 | 0100 |
| Rotational Position (X,Y) | 0000 | 0101 |
| All                       | 0011 | 1111 |

| SET Commands   | Byte |      |
|----------------|------|------|
| Emergency Stop | 0100 | 0000 |
| Velocity       | 0100 | 0001 |
| Acceleration   | 0100 | 0010 |
| Jerk           | 0100 | 0011 |
| All            | 0111 | 1111 |

| ERRORS             | Byte |      |
|--------------------|------|------|
| Emergency Stop ACK | 1000 | 0000 |
| FIFO Full          | 1000 | 0001 |

| RESPONSE DATA             | Byte |      |
|---------------------------|------|------|
| Velocity                  | 1100 | 0000 |
| Acceleration              | 1100 | 0001 |
| Jerk                      | 1100 | 0010 |
| Lower Displacement (X,Y)  | 1100 | 0011 |
| Upper Displacement (X,Y)  | 1100 | 0100 |
| Rotational Position (X,Y) | 1100 | 0101 |
| All                       | 1111 | 1111 |